North Dakota Full GIS Technical Committee Meeting

September 11, 2007

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GIS Coordinator
State of North Dakota

Introductions:
Name, title, who you work for

Agenda

- ◆ Executive Committee Report
  - ◻ Background
  - ◻ Accomplishments
  - ◻ Current work & goals
- ◆ Feedback & Discussion
  - ◻ Statewide data priorities and needs
  - ◻ Future Users Conferences
  - ◻ General discussion

Background

- Last meeting October 23, 2006
  - Minutes:
    http://www.nd.gov/gis/about/gistechfull/minutes/10232006minutes.html
  - Executive Order 2001-06 specified:
    - Executive GISTC – 7 agencies
    - Full GISTC – state agencies, local federal agencies, business community

Executive GISTC Membership

- State Water Commission – Rod Bassler
- Dept. of Health – Ann Fritz
- Dept. of Transportation – Brian Bieber
- Game and Fish – Brian Hosek
- Geological Survey – Elroy Kadrmas
- Parks and Recreation – Chris Dirk
- Information Tech. Dept. – Bob Nutsch
- Land Department* - Levi Erdmann
- Public Service Commission* – Bruce Johnson
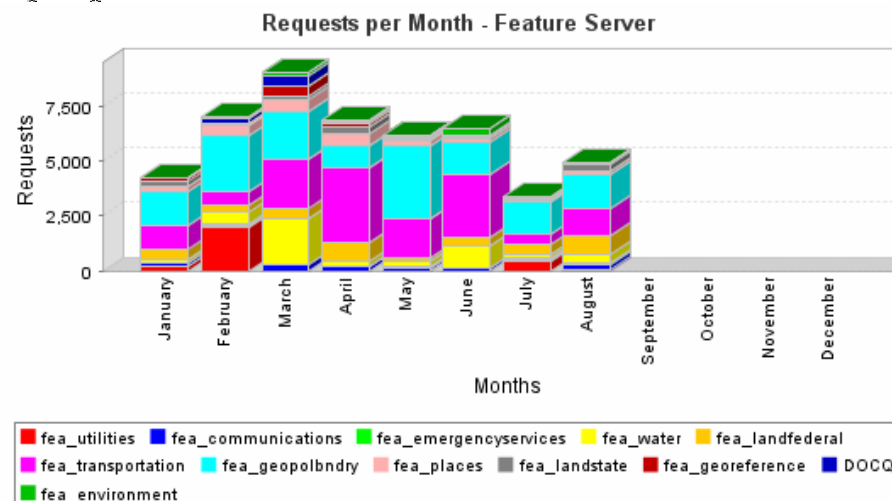- Department of Commerce* - Jeff Quast
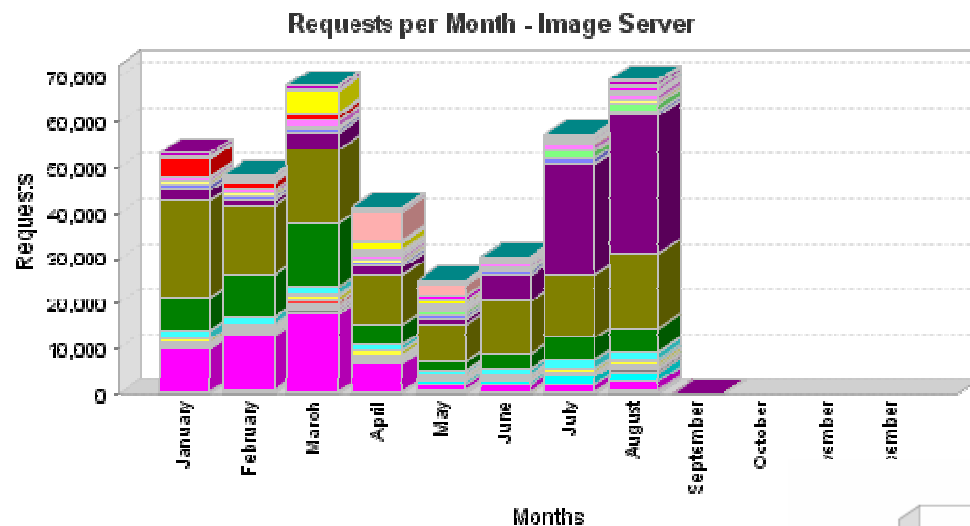- Oil & Gas Division* – Nathan Kirby

*Associate Members

Accomplishments – GIS Hub Usage

- Database is growing: 3,000gb compared to 2,286gb in October 2006
- Data downloads: Over 32,000 during 2006
- Database: 35+ daily concurrent connections from state agency users
- Web applications: Over 1 million hits during 2006

Image and Feature Services

Requests per Month - Image Server

Requests per Month - Feature Server

Legend:
- fea_utilities
- fea_communications
- fea_emergencyservices
- fea_water
- fea_landfederal
- fea_transportation
- fea_geopolbndry
- fea_places
- fea_landstate
- fea_georeference
- DOCQ
- fea_environment

Accomplishments – General

- Received funding for 2007-2009
- GIS Professional Services Contract Pool put into place.
  - Seven Categories filled by multiple vendors
  - Work order system to speed things up
  - Local government can use!
  - http://www.nd.gov/gis/resources/pool/
  - Planned renewal for early 2008

Accomplishments – General

- Added Department of Commerce and Oil & Gas Division as Associate Members to the GISTC
- Purchased new storage
- Completed Road Centerline Study
  - Draft standards and Final Report available at http://www.nd.gov/gis/news/20061117.html

Accomplishments – Data

- NAIP 2006 (Currently only FTP)

- Civil Townships – governmental sub-divisions of a county

- Census Bureau roads – (will be updated with 2nd Edition)

- For listings of updated data visit
  http://www.nd.gov/gis/mapsdata/data/datainfo/

Current Work

- Updated Strategic Plan
- Road centerline project
  - Steering Committee being established
  - Focus on this post-conference
- Rural tax assessment – soils and parcels
- Data: Critical Infrastructure, NAIP, hydrologic units, aquifers

Current Work – Critical Infrastructure

- GISTC working with Department of Emergency Services (DES)
- TechniGraphics (TGS) is a contractor for the National Geospatial-Intelligence Agency (NGA), collecting the data
- This data is used to improve existing data that is already used by federal agencies for Homeland Security
- Pioneered by Arkansas

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Current Work – Critical Infrastructure

- DES sends informational letters to key contacts (e.g., fire chiefs) letting them know TGS will be contacting them

- TGS calls key contacts, confirms location and other info

- TGS provides improved data back to the state in geospatial format (doesn't have to be geospatial from the state)

- Data received so far includes: correctional facilities, fire stations, law enforcement, EMS

Current Work – NAIP

- 2006 was the last year for collection
- 2010 maybe will be the next year
- Unless…North Dakota can come up with some matching funds, about $350k then we have a chance for 2008
- All contributions are welcome!
- Funding interest so far from state agencies, NPS, a utility, a consulting firm
- Contact Bob ASAP if interested

Current Work – Other Data

- Ann Fritz, Department of Health
  - Hydrologic Unit Boundary delineation
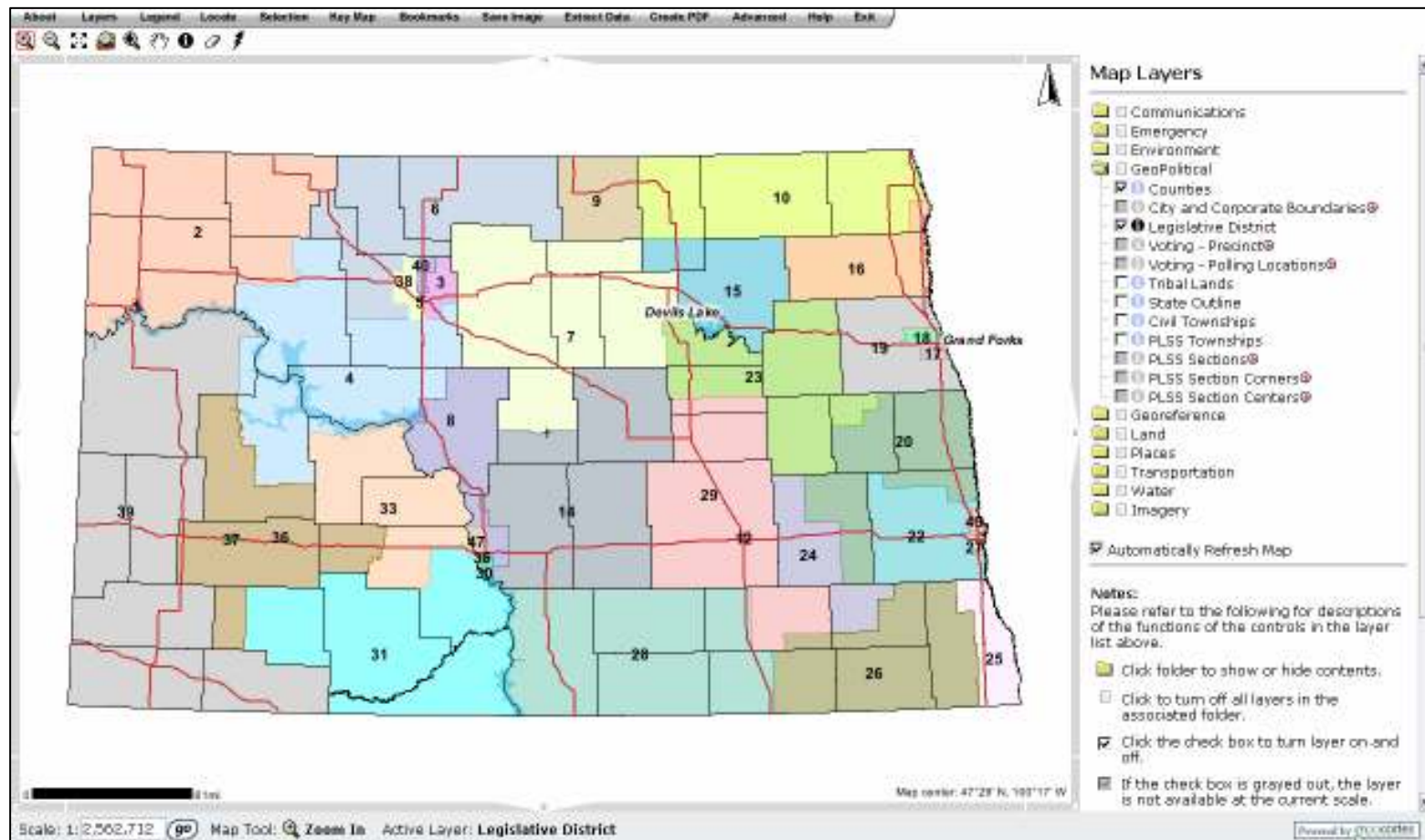- Rod Bassler, State Water Commission
  - Aquifer update

Goals – Hardware & Software

- Complete hardware upgrade
- Complete 9.2 upgrade
- Add OGC-compliant WFS as needed
- Upgrade data vector downloading
- Add raster downloading (USGS grant)
- Improvements to Hub infrastructure
- Deployment of new storage
- Hub Explorer interface

Goals – Hub Explorer Interface

Goals – Major Data

- NAIP 2006 onto ArcSDE & as web service

- Additional 10-meter DEMs – led by USGS

- Work with Department of Emergency Services on use of critical infrastructure data provided by TGS

- Stay involved with Imagery for the Nation

Imagery For The Nation

- Annual 1-meter imagery paid by feds
- Buy-up options (higher resolution, color infrared, footprints, etc.) – as stated by state GI councils
- Cost/benefit analysis recently completed – see the handout
- For more information see http://www.nsgic.org/hottopics/imagery forthenation.cfm

Other Things…

- Local Update of Census Addresses (LUCA) program – see
  http://www.nd.gov/gis/news/20070820.html for more information
- Bismarck-Mandan imagery – 2009
- Ramona
  - data inventory tool
  - useful for statewide & local work such as centerlines, parcels, other
  - Contact Bob if you have a question
  - Watch the listserv

GIS Data Inventory Tool – Ramona

Discussion – Priorities

- Executive GISTC data goals
  - Road centerlines
  - NAIP
  - Others listed in current work and goals
  - Others data sets?
- Other goals and priorities, e.g.,
  - Training needs?
  - Data sharing, e.g., aerial imagery collection

Discussion – GIS Users Conference

- Started out as GIS Day, transitioned to Users Conference in 2005

- Registered attendance levels:
  - 2001: 40+
  - 2002: 100
  - 2003: 120
  - 2004: 95
  - 2005: 119
  - 2006: 146
  - 2007: 164 (9/7)

Discussion – Future Users Conferences

- Provides a valuable service to the state, right?!
- Seriously considering every other year
  - Keep contents fresh
  - Allow GISTC to focus more on data and other goals
- Location:
  - Outgrown Comfort Inn
  - Tentatively booked for Double Wood

Discussion – Future Users Conferences

- Ways to ease the "crunch"
  - Conference planning consultants – are there any?
  - Rotate around the state, e.g., Bismarck, Dickinson, Minot, etc.
  - Hosted by universities & colleges?
- Need your feedback and direction!

Other Discussion?

- Questions?
- Comments?
- Ways to improve?

Thank You!

For more information, please contact:

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www.nd.gov/gis